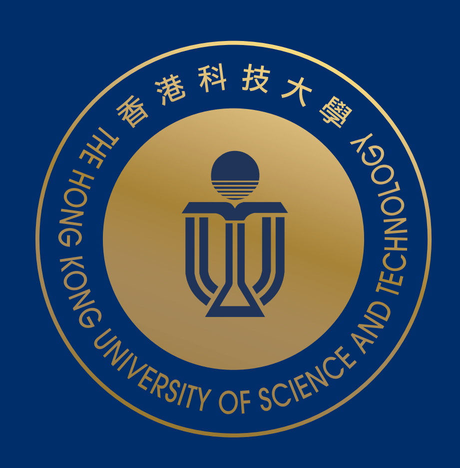


Twenty-ninth Congregation 2021

第二十九屆學位頒授典禮

2021・11・26

GRADUATION CEREMONY
Doctor of Philosophy
畢業典禮
哲學博士學位

中華人民共和國國歌

起來！不願做奴隸的人們！
把我們的血肉，築成我們新的長城！
中華民族到了最危險的時候，
每個人被迫着發出最後的吼聲。
起來！起來！起來！
我們萬眾一心，
冒着敵人的炮火前進！
冒着敵人的炮火前進！前進！前進！進！

第二十九屆學位頒授典禮

Twenty-ninth Congregation 2021



目錄

Professor Wei SHYY

Distinguished guests, graduates, parents, friends, and colleagues,

I warmly welcome you to this year's Congregation — an extra special celebration where we can meet face to face once again as well as for the first time at this spectacular Shaw Auditorium, a new campus landmark for our 30th anniversary that celebrates HKUST's creativity and vitalizing spirit. I also extend joyful greetings to graduates who are sharing the occasion with us virtually. Class of 2021, I congratulate you all on your achievements amid unprecedented times.

The pandemic has not only tested our adaptability to change and uncertainty, but also served as a powerful wake-up call for all inhabitants of Planet Earth to come together to address a growing list of critical challenges, ranging from public health to climate change and environmental degradation. We are reminded, now more than ever, to learn, to invent, and to be open-minded. As global citizens, we need to take collective action in building a sustainable future that we commonly share, with an innovative spirit, sensitivity to equality, respect for diversity, empathy for the underprivileged, and do so with passion and determination.

We are now immersed in a world filled with international and social divides, along with hard choices between growth and conservation, technological innovation versus individual rights and options, and the irony of open, abundant information challenging rational judgment. The education, training, and insights you received at HKUST have helped you lay a firm foundation from which you are now ready to inspire and engage with other people to truly contribute to the world. Embrace challenges, exercise discretion and independent judgment when faced with unforeseeable events in life. And always, remain resilient.

Graduates, I am so very proud of you. Your ability to thrive and grow in both good and tough times over the past few years has provided a tremendous example for future generations of HKUST students. As you start a new chapter in life, please stay connected with your alma mater, a place that you are proud to call home; a connected community that promotes humanity; and a supportive family that offers optimism.

Believe in yourself, fly high, and may success be with you.

史維教授

各位嘉賓、畢業生、家長、親友及同事：

歡迎大家參加今年這個別具意義的畢業典禮——我們不僅可以再次聚首一堂，還能初次在逸夫演藝中心慶祝各位學有所成。作為科大三十周年校慶的新建地標，漂亮的逸夫演藝中心彰顯了大學的非凡創意以及澎湃生命力，激勵人心。我亦在此恭賀在網上同步參與典禮的畢業同學。2021年的每一位畢業生，全都走過史無前例的崢嶸歲月，如今卓然有成，實在可喜可賀。

疫症不但考驗我們適應變化和無常的能力，也同時給我們當頭棒喝，讓大家明白人類必須齊心協力，共同應對公共衛生、氣候轉變，以至環境惡化等層出不窮的世紀挑戰。要解決問題，我們必須較以往任何時候都要更努力地學習、創新和擴闊視野。身為世界公民，我們要時刻秉持創新精神，力求平等，尊重多元，扶持弱勢，並以無比的熱情和決心共建彼此分享的可持續未來。

時移勢易，現今世界及社會矛盾日益加深，我們不但要在發展與保育、科技創新與個人權益之間作出抉擇，也要經常面對大量網絡訊息卻未必支持理性思考的尷尬處境。讓人鼓舞的是，科大提供的教育、訓練和視野，早已為大家建立穩固基礎，讓你有能力動員及鼓勵志趣相投的夥伴，通力合作，真誠地攜手貢獻世界。人生際遇難測，有時風雨有時晴，只要你願意面對挑戰，酌情慎思，獨立判斷，並保持堅毅的精神，你必定能貢獻社會人群。

各位畢業同學，我以大家為榮！回望過去幾年，不論順逆，你們都能披荊斬棘，茁壯成長。如此榜樣，絕對值得你的學弟學妹學習。

希望大家在快要揭開人生新一章的同時，繼續與母校保持聯繫。科大將會一直是各位引以為傲的家園、是重視人文精神的親密社群，也是帶給你們快樂的至親。

相信自己，奮力高飛！衷心祝願各位前程錦繡，未來一片光明。

Trixie Ruth DY

Doctor of Philosophy in Chemical and Biomolecular Engineering

Distinguished guests, ladies and gentlemen,

I feel unbridled joy seeing all of you here in the newly built Shaw Auditorium on HKUST's 30th year! I know that being physically present for this gathering has acquired a deeper meaning for all of us, as we have collectively experienced a life-changing pandemic for nearly two years now. I feel honored and grateful even to be alive to celebrate this occasion with you.

When I first stepped on to this campus, I thought it resembled a resort, and it surprised me because I wasn't used to this kind of atmosphere. It immediately dawned on me how blessed I was to be given the privilege to study here. I already understood that getting a PhD meant long hours of blood, sweat and tears, but at least for me, I got to do it on top of a mountain facing the sea.

Beyond the nice views that form part of the conducive learning environment, my HKUST experience produced two important life lessons.

Lesson number one: acknowledge your weaknesses and be generous with your strengths. We cannot possibly be an expert at everything, and we will need experienced mentors to train us, from professors and senior labmates to research and administrative staff. At HKUST, there is no shortage of people who will genuinely desire your growth and selflessly go out of their ways to contribute to your success. If not for my mentors, I would not have survived.

Lesson number two: setbacks are just redirections. All of us here have probably had to confront uncertainty and cancelations, especially amid the pandemic. In my case, I was well into the field test portion of my research work when the pandemic broke out, bringing my work to a sudden halt. This setback allowed me to focus on lab work, which resulted in a new chapter in my thesis – a redirection for which I am now thankful.

Hold on to these lessons when you go through difficulties again. And don't waste your stories. Document and share them. Use them to inspire and encourage others.

Before I end, I would like to express my thanks to my dear fellow graduates for not giving up and for demonstrating grit and strength in these unprecedented times. To my support teams who shared my burdens during my postgraduate journey – my research group, churchmates, and friends – my sincerest gratitude to you. To my family and my Creator, this humble achievement is for you.

Congratulations to the strong and courageous batch of 2021! Well done to all of us!

Trixie Ruth DY

哲學博士 (化學工程及生物分子工程學)

各位嘉賓：

在香港科技大學30週年校慶之際，能夠親身在這個新落成的逸夫演藝中心內跟大家見面，我感到無比歡喜。疫情已持續接近兩年，改變了我們的人生，震盪了整個社會。因此，今天的聚首對於在座各位有更深的意義。仍然活著與你們慶祝此時此刻，讓我感到既榮幸又感恩。

當我第一次踏進科大校園，感覺這裡像度假勝地，讓我有點意外，也不太習慣這種氛圍，但我馬上驚覺自己到底有多幸運才得以在此學習。我知道要獲得博士學位需要沒日沒夜的努力和付出，但至少在專心致志讀書時一直有壯闊的山海景色陪伴著我。

美麗的景色造就了有利的學習環境；除此之外，在科大的歲月讓我學到了人生重要的兩課。

第一課：接受你的短處而不吝嗇你的長處。我們不可能精於所有範疇，我們需要教授、資深的實驗室夥伴、研究和行政人員等富有經驗的導師去訓練我們。科大從來不缺真誠無私奉獻的人幫助你成長和成功。若沒有我的導師們，我也不會撐得過來。

第二課：挫折只是重新定向。在座每一位大概都面對過不確定的前景和試過計劃被取消，疫情下情況更甚。即使我的研究項目的實地試驗部分已經進行得如火如荼，也無奈因為疫情爆發而要剎停。不過，挫折讓我專注於實驗室工作，並且意外地構成了博士論文中新的一章。這次重新定向，至今讓我非常感恩。

當你們再面對困難時，請謹記這兩課。此外，不要讓你們的故事隨風而去，記錄下來，並與人分享，用這些故事去啟發和激勵別人。

最後，我想感謝我親愛的同學們，在這個前所未有的時代裡，你們沒有放棄，且展現出意志力和力量；感謝我的支援團隊——我的研究隊友、教友和朋友，在我的研究生旅途中與我分憂，我衷心感謝你們；感謝我的家人和上帝，我將這份卑微的成就獻給大家。

恭喜堅強勇敢的2021年畢業同學！你們都很出色！

ORDER OF PROCEEDINGS

SESSION 2
3:30pm, November 26, 2021

GRADUATION CEREMONY

Doctor of Philosophy

1. The Council Chairman declares the ceremony open
2. The President delivers the opening address
3. The Acting Dean of Science presents graduates of the Degree of DOCTOR OF PHILOSOPHY
4. The Dean of Engineering presents graduates of the Degree of DOCTOR OF PHILOSOPHY
5. The Dean of Business and Management presents graduates of the Degree of DOCTOR OF PHILOSOPHY
6. The Dean of Humanities and Social Science presents graduates of the Degree of DOCTOR OF PHILOSOPHY
7. The Director of Interdisciplinary Programs Office presents graduates of the Degree of DOCTOR OF PHILOSOPHY
8. The Graduate Representative delivers the valedictory address
9. The Council Chairman declares the ceremony closed

Mace carried by
Professor Andrew POON

典 禮 程 序

第二節
2021年11月26日 下午3時30分

畢 業 典 禮

哲 學 博 士 學 位

1. 校董會主席宣佈典禮開始
2. 校長致辭
3. 署理理學院院長宣讀哲學博士學位畢業生名單
4. 工學院院長宣讀哲學博士學位畢業生名單
5. 工商管理學院院長宣讀哲學博士學位畢業生名單
6. 人文社會科學學院院長宣讀哲學博士學位畢業生名單
7. 跨學科課程事務處處長宣讀哲學博士學位畢業生名單
8. 畢業生代表致辭
9. 校董會主席宣佈禮成

潘永安教授持大學權杖

理學院
SCHOOL OF SCIENCE

Postgraduate Degrees 研究生學位

Doctor of Philosophy in Chemistry
哲學博士 (化學)

BAI, Fujin	白福錦
BENACHIGERE SHIVARUDRAIAH, Sunil	
CHAI, Gaoda	柴高達
CHEUNG, Tsz Shing	張子晟
DE GRANO, Ruel Valerio Robles	
FENG, Qiang	冯 强
GONG, Junyi	龚隽一
GUO, Xueying	郭雪莹
HE, Wei	何 威
HUANG, Jiachen	黄嘉琛
KONOVALOV, Kirill	
LEE, Mei Suet	李美雪
LI, Lijun	李丽军
LI, Qiyao	李琦瑶
LIANG, Lixin	梁麗馨
LIN, Xuyan	林许彦
LIU, Chenchen	刘晨晨
LIU, Junkai	刘峻恺
LIU, Xiaolin	刘晓琳
LU, Zhangdi	卢章迪
MAO, Jiatao	毛佳韬
QIU, Wenting	邱文婷
SOECIPTO, Aristyo	
SUAREZ VASQUEZ, Michael Alexander	
TANG, Chun Wai	鄧俊威
WANG, Dong	王 东
WANG, Jiantao	王建涛
WANG, Zhaoyu	王兆玉
XU, Wenhan	许文涵
YANG, Shida	杨时达
YU, Han	于 涵
YU, Ying	余 颖
ZHANG, Tianfu	张天富
ZHAO, Xueqian	赵学千
ZHOU, Zhicong	周智聰
ZHU, Hongni	朱虹霓

Doctor of Philosophy in Life Science
哲學博士 (生命科學)

BAI, Guanhua	白冠华
CHEN, Sidong	陈司东
CHEN, Xianwei	陳現偉
CHEN, Yiyun	陳逸芸
CRNCEC, Adrijana	
DIN, Rahman Ud	
DONG, Anqi	董安琪
KWAN, Kin Leung	關堅良
LAU, Shun Fat	劉順發
LI, Yunlong	李云龙
LIN, Kangning	林康宁
OUYANG, Li	欧阳丽
RENOM, Allan Patrick Stephane	
SAINI, Vasu	
SHI, Xiao	师 虓
SUNG, Chun Chau	宋振洲
TANG, Xiao	唐 笑
ULLAH, Ata	
WANG, Yang	王 洋
WANG, Ye	王 曄
WU, Xiandeng	吴先登
YANG, Feng	杨 丰
YANG, Gege	杨格格
YANG, Shaozhong	楊少忠
YI, Ran	易 冉
ZENG, Lidan	曾丽丹
ZENG, Wenshu	曾文枢
ZHANG, Lina	張麗娜
ZHAO, Qirui	赵琦睿
ZHOU, Shaopu	周绍朴
ZHOU, Xuemeng	周雪蒙

Doctor of Philosophy in Marine Environmental Science
哲學博士 (海洋環境科學)

LI, Chongping	李茺平
MABOLOC, Elizaldy Acebu	
SHEN, Zhiyong	申志勇
ZHOU, Kun	周 昆
ZOU, Dayu	邹大雨

Doctor of Philosophy in Mathematics
哲學博士 (數學)

DENG, Yizhe	邓一哲
HU, Wei	胡　卫
HUANG, Yifei	黃義飛
JIANG, Tianpeng	蔣天鵬
LIU, Ping	刘　平
LUAN, Yongzhi	栾永志
RONG, Yi	荣　义
WANG, Jingming	王经铭
YOU, Juntao	游俊韬
ZHU, Weizhi	朱玮之

Doctor of Philosophy in Nano Science and Technology
哲學博士 (納米科學與技術)

LU, Huanhuan	陸煥煥
QU, Qing	曲　青
SHI, Run	石　润
YING, Zhehan	应哲涵

Doctor of Philosophy in Physics
哲學博士 (物理學)

AU-YEUNG, Ka Yan	歐陽家欣
CHANG, Mingli	常名立
DENG, Xiaohui	邓晓辉
FAN, Xinyu	范新宇
GAO, Yifan	高一帆
HAJIYEV, Elnur	
HE, Chengdong	何成東
HUANG, Linhai	黄林海
JIANG, Tianshu	姜天舒
STOLTE, Nore	
TIAN, Fang	田　放
XIE, Yingming	谢应明
ZHANG, Xiaonan	张晓男
ZUO, Ying	左　瀛

工學院
SCHOOL OF ENGINEERING

Postgraduate Degrees 研究生學位

Doctor of Philosophy in Bioengineering
哲學博士 (生物工程學)

HAO, Chunlin 郝春霖
PARK, Byung Min 朴昞珉
WANG, Yuqing 王昱清
XU, Xinzhou 許新洲

Doctor of Philosophy in Chemical and Biomolecular Engineering
哲學博士 (化學工程及生物分子工程學)

CHEN, Ruipeng 陈瑞鹏
DY, Trixie Ruth Nunez
GU, Qiao 顾其傲
KHAN, Kishwar
LIU, Jianhui 刘建辉
LIU, Zhenjing 柳真晶
MATHEW THOMAS, Kiran
MONTEALEGRE, Charlimagne Monzon
THITISOMBOON, Wadeelada
WONGSRISUJARIT, Natee
WU, Hsi-wen 武希文
XIAO, Fei 肖 菲
YANG, Yun 杨 云
YAO, Yuze 姚宇泽

Doctor of Philosophy in Civil Engineering
哲學博士 (土木工程學)

AHMED, Rana Rab Nawaz
BADSHA, Mohammad Abu Hashnat
BAGHBANREZVAN, Sina
CHANG, Lu 常 璐
DAI, Lun 代 伦
DENG, Yangfan 邓杨帆
FARDAD AMINI, Pedram
FARIVAR, Alireza
FENG, Kewei 冯科玮
GOMAA, Sherif Mohsen Mohamed Hassan
GUO, Haowen 郭浩文
GUO, Jiuhao 郭九昊
HE, Juhua 何钜华
HUANG, Hao 黄 浩
JIN, Nan 金 楠
KWOK, Helen Hoi Ling 郭凱羚
LEE, Enoch 李以諾
LI, Xiling 李熹凌
LUO, Han 罗 晗
MAJEED, Usman
MAO, Xin 毛 鑫
PAN, Mengxin 潘梦馨
PATWARY, Ashraf Uz Zaman
QIANG, Yejia 强烨佳
QIN, Xiaoran 秦筱然
SO, Pui San 蘇培燊
STOURA, Charikleia
SU, Zhaoyu 苏兆昱
WANG, Chao 王 超
WANG, Jinting 汪进婷
WANG, Meilan 王美嵐
WANG, Shuling 王书玲
WANG, Yixiang 王轶翔
YIN, Kesheng 尹克升
ZUBAIR, Muhammad Umer

Doctor of Philosophy in Computer Science and Engineering
哲學博士 (計算機科學及工程學)

BERMEJO FERNANDEZ, Carlos
CHANG, Bing Yen 鄭秉元
DAI, Hongliang 戴洪良
HAO, Xiaotian 郝小添
HU, Guangneng 胡光能
HUANG, Yongxiang 黄永祥
JEBALBAREZI SARBIJAN, Elham
JIAN, Xun 简 讯
KWAK, Hyunjung
LI, Tong 李 桐
LI, Yexin 李叶昕
LIN, Dandan 林丹丹
LIN, Xueling 林雪玲
MA, Ningning 馬寧寧
OUSIDHOUM, Nedjma Djouhra
PENG, Zhenhui 彭振辉
SHU, Xinhuan 舒欣欢

SUN, Dong 孙 冬
TAN, Jiajie 譚佳杰
WANG, Lipeng 王立鵬
WANG, Luping 王禄平
XUE, Lanqing 薛兰青
ZENG, Ziqian 曾子倩
ZHANG, Chengliang 张程亮
ZHANG, Hongming 張洪銘
ZHANG, Yinghua 张颖华
ZHAO, Lili 趙莉莉

Doctor of Philosophy in Electronic and Computer Engineering
哲學博士 (電子及計算機工程學)

AHMED, Syed Faraz
BHUTTA, Muhammad Usman Maqbool
CHEN, Congping 陈聪平
CHEN, Feng 陈 峰
CHEN, Xizi 陈夕子
CHEN, Xuanqi 陈宣奇
CHEN, Yawen 陈雅文
CHEN, Yuying 陈玉莹
CHENG, Wei-chih 鄭韋志
GE, Shangkun 葛尚坤
HAN, Xu 韩 旭
HUANG, Lingying 黃灵莹
HUSSAIN, Babar
JIANG, Fan 江 帆
LI, Xiaoyu 李小雨
LIANG, Zhijian 梁志坚
LIAO, Qinghai 廖青海
LIU, Congcong 刘聪聪
LIU, Yong 刘 永
LIU, Zechun 刘泽春
LU, Yuxin 陆雨昕
LYU, Qifeng 吕奇峰
MADOTTO, Andrea
MENG, Xiandong 孟现东
MENG, Xiaodong 孟瀟東
NG, Pai Chet
NI, Liang 倪 良
PAL, Soumitra
PAN, Sijie 潘思婕
QIN, Zhongya 秦仲亚
SHEN, Shi 沈 實
TIAN, Zhongyuan 田中源
WANG, Li 王 力
WANG, Sisi 王思思
WANG, Su 王 蘇
WANG, Yuru 王裕如
WINATA, Genta Indra
WU, Kaiyi 巫凱意
XU, Peng 徐 鵬
YAN, Zhao 闫 曌
YANG, Song 楊 松
YE, Haoyang 叶昊阳
ZHANG, Chiye 張馳野
ZHANG, Yujie 张宇杰
ZHENG, Zheyang 郑柘炀
ZHOU, Rui 周 睿

Doctor of Philosophy in Environmental Engineering
哲學博士 (環境工程學)

ARJONA ALONSO, Manuel
HERRERA MARIN, Juan Manuel
LI, Wanxin 李婉鑫
QIU, Liying 丘丽颖

Doctor of Philosophy in Industrial Engineering and Logistics Management
哲學博士 (工業工程及物流管理學)

CHEN, Kanglin 陈康林
CHIN, Jing Wei 陳經緯
GAO, Pin 高 品
HUI, Jun 惠 军
LI, Weian 李维安
LI, Ziyue 黎子玥
LIU, Yulin 刘昱麟
WANG, Yuqian 王虞倩
ZHANG, Guangyuan 张光远
ZHU, Yan 朱 龑

Doctor of Philosophy in Mechanical Engineering
哲學博士 (機械工程學)

BIAN, Haoyu 卞浩宇
CHENG, Xu 程 煦
CHUNG, Ho Yin 鍾浩賢
CUI, Qiangsheng 崔强胜

HOU, Yue	侯 悦
IWE, Idorenyin Asuquo	
IZHAR	
JIANG, Hanbo	姜汉博
JIN, Yakang	靳亚康
KAN, Zicheng	阚子程
KARAMI, Mostafa	
KUSHWAHA, Abhijit Kumar	
LEE, Jeng-hun	
LI, Zhaoyu	李照宇
LIAO, Dong	廖 东
LIN, Chongjia	林崇佳
LIU, Ke	刘 克
LIU, Xiaohui	劉晓慧
LIU, Xin	刘 鑫
LU, Zhangji	陆张吉
LUO, Shuang	罗 爽
MA, Qingping	马青平
PATHIRAGE DON, Isuru Kaweendra Karunaratne	
QIAN, Chao	钱 超
SIDDIQUI, Farooq Riaz	
SONG, Haoran	宋浩然
SUN, Jing	孙 静
TAO, Ran	陶 然
TSE, Yu Alexander	謝 宇
XIE, Fubao	谢福宝
XU, Yuan	徐 源
YANG, Jun	阳 军
YING, Wei	应 巍
YU, Jing	余 婧
ZENG, Zhuohui	曾卓晖
ZHAO, Chen	赵 琛
ZHOU, Peng	周 朋

工商管理學院
SCHOOL OF BUSINESS AND MANAGEMENT

Postgraduate Degrees 研究生學位

Doctor of Philosophy in Accounting
哲學博士 (會計學)

LIU, Yifeng	刘漪峰
SUN, Chengzhu	孙成竹
WANG, Linghuan	王泠欢

Doctor of Philosophy in Economics
哲學博士 (經濟學)

LI, Run	李　润
YANG, Zhongchao	杨中超

Doctor of Philosophy in Finance
哲學博士 (金融學)

LI, Ruicong	李睿聰

Doctor of Philosophy in Information Systems
哲學博士 (資訊系統學)

NG, Ka Chung	吳嘉聰
QIAN, Bingjie	錢冰洁

Doctor of Philosophy in Management
哲學博士 (管理學)

LI, Anran	李安然
MAGNI, Federico	

Doctor of Philosophy in Marketing
哲學博士 (市場學)

FAN, Haosheng	樊昊晟
VIJAYAKUMAR, Suhas	
YANG, Wooyun	

Doctor of Philosophy in Operations Management
哲學博士 (營運管理學)

HUANG, Hu	黄　虎
LIU, Wing Ki	廖泳淇
XIONG, Jing	熊　靜

人文社會科學學院
SCHOOL OF HUMANITIES AND SOCIAL SCIENCE

Postgraduate Degrees 研究生學位

Doctor of Philosophy in Humanities
哲學博士 (人文學)

CABURAL, Mark Kevin Supnad	
LAU, Shu Wai	劉樹偉
LIU, Yanghe	劉陽河
WANG, Xinyu	王新宇
WEI, Yang	魏 阳

Doctor of Philosophy in Social Science
哲學博士 (社會科學)

BUTAEVA, Kristina	
LI, Xiangning	李湘宁
LIU, Mengyu	刘孟宇
LUO, Wei	罗 唯

跨學科課程事務處
INTERDISCIPLINARY PROGRAMS OFFICE

Postgraduate Degrees 研究生學位

Doctor of Philosophy in Environmental Science, Policy and Management
哲學博士 (環境科學、政策及管理)

HOSSAIN, Md Shakhaoat	
HUANG, Yeqi	黃烨琪
LI, Jinjian	李今鉴
PAN, Yuhang	潘聿航
WEI, Peng	魏　鹏

Doctor of Philosophy in Public Policy
哲學博士 (公共政策)

LIU, Tianle	刘天乐

DEGREES CONFERRED 頒授之學位

SCHOOL OF SCIENCE 理學院

PhD in Chemistry	哲學博士 (化學)	36
PhD in Life Science	哲學博士 (生命科學)	31
PhD in Marine Environmental Science	哲學博士 (海洋環境科學)	5
PhD in Mathematics	哲學博士 (數學)	10
PhD in Nano Science and Technology	哲學博士 (納米科學與技術)	4
PhD in Physics	哲學博士 (物理學)	14
MPhil in Chemistry	哲學碩士 (化學)	8
MPhil in Life Science	哲學碩士 (生命科學)	31
MPhil in Marine Environmental Science	哲學碩士 (海洋環境科學)	4
MPhil in Mathematics	哲學碩士 (數學)	9
MPhil in Physics	哲學碩士 (物理學)	6
MSc in Analytical Chemistry	理學碩士 (分析化學)	61
MSc in Biotechnology	理學碩士 (生物科技)	46
MSc in Data-Driven Modeling	理學碩士 (數據建模)	54
MSc in Environmental Health and Safety	理學碩士 (環境健康及安全)	56
MSc in Financial Mathematics	理學碩士 (金融數學)	84
MSc in Mathematics for Educators	理學碩士 (教育數學)	22
BSc in Biotechnology #	理學士 (生物科技) #	1
BSc in Biochemistry and Cell Biology, and in Computer Science	理學士 (生物化學及細胞生物學及計算機科學)	1
BSc in Biochemistry and Cell Biology, and in Mathematics	理學士 (生物化學及細胞生物學及數學)	1
BSc in Biotechnology, and in Computer Science	理學士 (生物科技及計算機科學)	1
BSc in Chemistry, and in Mathematics	理學士 (化學及數學)	1
BSc in Data Science and Technology, and in Computer Science	理學士 (數據科學與技術及計算機科學)	4
BSc in Mathematics, and in Computer Science	理學士 (數學及計算機科學)	5
BSc in Mathematics, and in Physics	理學士 (數學及物理學)	1
BSc in Mathematics and Economics, and in Computer Science	理學士 (數學與經濟學及計算機科學)	3
BSc in Mathematics and Economics, and in Data Science and Technology	理學士 (數學與經濟學及數據科學與技術)	1
BSc in Physics, and in Computer Science	理學士 (物理學及計算機科學)	2
BSc in Physics, and in Mathematics	理學士 (物理學及數學)	2
BSc in Biochemistry and Cell Biology, and an additional Major in Electronic Engineering	理學士 (生物化學及細胞生物學) 及電子工程學主修	1
BSc in Data Science and Technology, and an additional Major in Mathematics	理學士 (數據科學與技術) 及數學主修	1
BSc in Data Science and Technology, and an additional Major in Quantitative Finance	理學士 (數據科學與技術) 及量化金融學主修	1
BSc in Biochemistry and Cell Biology	理學士 (生物化學及細胞生物學)	70
BSc in Biological Science	理學士 (生物科學)	56
BSc in Biotechnology	理學士 (生物科技)	111
BSc in Biotechnology and Business	理學士 (生物科技及商學)	47
BSc in Chemistry	理學士 (化學)	75
BSc in Data Science and Technology	理學士 (數據科學與技術)	30
BSc in Environmental Science	理學士 (環境科學)	32
BSc in Mathematics	理學士 (數學)	125
BSc in Mathematics and Economics	理學士 (數學與經濟學)	27
BSc in Physics	理學士 (物理學)	45
School Total	**學院總人數**	**1125**

SCHOOL OF ENGINEERING 工學院

PhD in Bioengineering	哲學博士 (生物工程學)	4
PhD in Chemical and Biomolecular Engineering	哲學博士 (化學工程及生物分子工程學)	14
PhD in Civil Engineering	哲學博士 (土木工程學)	35
PhD in Computer Science and Engineering	哲學博士 (計算機科學及工程學)	27
PhD in Electronic and Computer Engineering	哲學博士 (電子及計算機工程學)	46
PhD in Environmental Engineering	哲學博士 (環境工程學)	4
PhD in Industrial Engineering and Logistics Management	哲學博士 (工業工程及物流管理學)	10
PhD in Mechanical Engineering	哲學博士 (機械工程學)	37
MPhil in Bioengineering	哲學碩士 (生物工程學)	6
MPhil in Chemical and Biomolecular Engineering	哲學碩士 (化學工程及生物分子工程學)	8
MPhil in Civil Engineering	哲學碩士 (土木工程學)	6
MPhil in Computer Science and Engineering	哲學碩士 (計算機科學及工程學)	28
MPhil in Electronic and Computer Engineering	哲學碩士 (電子及計算機工程學)	21
MPhil in Environmental Engineering	哲學碩士 (環境工程學)	4
MPhil in Industrial Engineering and Decision Analytics	哲學碩士 (工業工程及決策分析學)	6
MPhil in Industrial Engineering and Logistics Management	哲學碩士 (工業工程及物流管理學)	1
MPhil in Mechanical Engineering	哲學碩士 (機械工程學)	10
MPhil in Technology Leadership and Entrepreneurship	哲學碩士 (科技領導及創業)	15
MSc in Aeronautical Engineering	理學碩士 (航空工程)	32
MSc in Big Data Technology	理學碩士 (大數據科技)	106
MSc in Chemical and Biomolecular Engineering	理學碩士 (化學工程及生物分子工程學)	36
MSc in Civil Infrastructural Engineering and Management	理學碩士 (土木基建工程及管理)	69
MSc in Electronic Engineering	理學碩士 (電子工程學)	78
MSc in Engineering Enterprise Management	理學碩士 (工程企業管理)	63
MSc in Environmental Engineering and Management	理學碩士 (環境工程學及管理)	55
MSc in IC Design Engineering	理學碩士 (集成電路設計工程)	37
MSc in Information Technology	理學碩士 (資訊科技)	61
MSc in Intelligent Building Technology and Management	理學碩士 (智能建築物技術與管理)	72
MSc in Mechanical Engineering	理學碩士 (機械工程學)	73
MSc in Telecommunications	理學碩士 (電信學)	74
BSc in Computer Science, and in Data Science and Technology	理學士 (計算機科學及數據科學與技術)	2
BSc in Computer Science, and in Mathematics and Economics	理學士 (計算機科學及數學與經濟學)	1
BSc in Computer Science, and an additional Major in Electronic Engineering	理學士 (計算機科學) 及電子工程學主修	2
BSc in Computer Science, and an additional Major in Mathematics	理學士 (計算機科學)及數學主修	14
BSc in Computer Science, and an additional Major in Quantitative Finance	理學士 (計算機科學)及量化金融學主修	1
BSc in Integrative Systems and Design	理學士 (綜合系統與設計)	1
BEng in Chemical and Biomolecular Engineering ^	工學士 (化學及生物分子工程學) ^	1
BEng in Chemical Engineering ^	工學士 (化學工程學) ^	1
BEng in Civil and Environmental Engineering ^	工學士 (土木及環境工程學) ^	1

^ *Graduates from the Dual Degree Program in Technology and Management earn two degrees, BEng and BBA.*
修畢科技及管理學雙學位課程之畢業生同時獲頒授工學士及工商管理學士學位。

Graduates from the Dual Degree Program in Technology and Management earn two degrees, BSc and BBA.
修畢科技及管理學雙學位課程之畢業生同時獲頒授理學士及工商管理學士學位。

SCHOOL OF ENGINEERING 工學院

BEng in Civil Engineering ^	工學士 (土木工程學) ^	7
BEng in Computer Engineering ^	工學士 (計算機工程學) ^	4
BEng in Computer Science ^	工學士 (計算機科學) ^	12
BEng in Decision Analytics ^	工學士 (決策分析學) ^	1
BEng in Electronic Engineering ^	工學士 (電子工程學) ^	1
BEng in Logistics Management and Engineering ^	工學士 (物流管理及工程學) ^	1
BEng in Mechanical Engineering ^	工學士 (機械工程學) ^	2
BEng in Chemical Engineering, and in Bioengineering	工學士 (化學工程學及生物工程學)	1
BEng in Mechanical Engineering, and in Civil Engineering	工學士 (機械工程學及土木工程學)	1
BEng in Mechanical Engineering, and in Sustainable Energy Engineering	工學士 (機械工程學及可持續能源工程學)	1
BEng in Aerospace Engineering, and an additional Major in Mathematics	工學士 (航空航天工程學) 及數學主修	1
BEng in Chemical and Biomolecular Engineering, and an additional Major in Computer Science	工學士 (化學及生物分子工程學) 及計算機科學主修	1
BEng in Computer Engineering, and an additional Major in Mathematics	工學士 (計算機工程學) 及數學主修	1
BEng in Computer Science, and an additional Major in Mathematics	工學士 (計算機科學) 及數學主修	1
BEng in Electronic Engineering, and an additional Major in Computer Science	工學士 (電子工程學) 及計算機科學主修	1
BEng in Electronic Engineering, and an additional Major in Finance	工學士 (電子工程學) 及金融學主修	1
BEng in Mechanical Engineering, and an additional Major in Computer Science	工學士 (機械工程學) 及計算機科學主修	2
BEng in Aerospace Engineering	工學士 (航空航天工程學)	38
BEng in Bioengineering	工學士 (生物工程學)	2
BEng in Chemical and Biomolecular Engineering	工學士 (化學及生物分子工程學)	11
BEng in Chemical and Environmental Engineering	工學士 (化學及環境工程學)	16
BEng in Chemical Engineering	工學士 (化學工程學)	14
BEng in Civil and Environmental Engineering	工學士 (土木及環境工程學)	15
BEng in Civil Engineering	工學士 (土木工程學)	135
BEng in Computer Engineering	工學士 (計算機工程學)	113
BEng in Computer Science	工學士 (計算機科學)	126
BEng in Decision Analytics	工學士 (決策分析學)	25
BEng in Electronic Engineering	工學士 (電子工程學)	105
BEng in Industrial Engineering and Engineering Management	工學士 (工業工程及工程管理學)	42
BEng in Logistics Management and Engineering	工學士 (物流管理及工程學)	6
BEng in Mechanical Engineering	工學士 (機械工程學)	116
BEng in Sustainable Energy Engineering	工學士 (可持續能源工程學)	6
School Total	**學院總人數**	**1871**

SCHOOL OF BUSINESS AND MANAGEMENT 工商管理學院

PhD in Accounting	哲學博士 (會計學)	3
PhD in Economics	哲學博士 (經濟學)	2
PhD in Finance	哲學博士 (金融學)	1
PhD in Information Systems	哲學博士 (資訊系統學)	2
PhD in Management	哲學博士 (管理學)	2
PhD in Marketing	哲學博士 (市場學)	3
PhD in Operations Management	哲學博士 (營運管理學)	3
MPhil in Accounting	哲學碩士 (會計學)	3
MPhil in Economics	哲學碩士 (經濟學)	1
MPhil in Finance	哲學碩士 (金融學)	3
MPhil in Information Systems	哲學碩士 (資訊系統學)	1
MPhil in Management	哲學碩士 (管理學)	1
MPhil in Marketing	哲學碩士 (市場學)	2
MPhil in Operations Management	哲學碩士 (營運管理學)	2
MSc in Accounting	理學碩士 (會計學)	70
MSc in Business Analytics	理學碩士 (商業分析)	62
MSc in Economics	理學碩士 (經濟學)	117
MSc in Finance	理學碩士 (金融學)	61
MSc in Financial Analysis	理學碩士 (金融分析學)	16
MSc in Financial Technology	理學碩士 (金融科技)	54
MSc in Global Finance	理學碩士 (環球金融)	44
MSc in Global Operations	理學碩士 (環球運營管理)	63
MSc in Information Systems Management	理學碩士 (資訊系統管理學)	63
MSc in International Management	理學碩士 (國際管理)	26
MSc in Investment Management	理學碩士 (投資管理學)	90
Executive Master of Business Administration	高層管理人員工商管理碩士	1
Master of Business Administration*	工商管理碩士*	2
Master of Business Administration	工商管理碩士	243
BSc in Economics and Finance, and in Computer Science	理學士 (經濟及金融學及計算機科學)	1
BSc in Quantitative Finance, and in Computer Science	理學士 (量化金融學及計算機科學)	5
BSc in Economics and Finance, and an additional Major in Information Systems	理學士 (經濟及金融學) 及資訊系統學主修	3
BSc in Economics and Finance, and an additional Major in Marketing	理學士 (經濟及金融學) 及市場學主修	1
BSc in Economics and Finance	理學士 (經濟及金融學)	62
BSc in Quantitative Finance	理學士 (量化金融學)	33
BBA in Global Business, in Finance, and in Management	工商管理學士 (環球商業管理、金融學及管理學)	1
BBA in Operations Management, in Finance, and in Information Systems	工商管理學士 (營運管理學、金融學及資訊系統學)	1
BBA in Economics, and in Finance	工商管理學士 (經濟學及金融學)	4
BBA in Economics, and in Information Systems	工商管理學士 (經濟學及資訊系統學)	10
BBA in Economics, and in Management	工商管理學士 (經濟學及管理學)	4
BBA in Economics, and in Marketing	工商管理學士 (經濟學及市場學)	6
BBA in Economics, and in Operations Management	工商管理學士 (經濟學及營運管理學)	9
BBA in Finance, and in Economics	工商管理學士 (金融學及經濟學)	13
BBA in Finance, and in Information Systems	工商管理學士 (金融學及資訊系統學)	30
BBA in Finance, and in Management	工商管理學士 (金融學及管理學)	5
BBA in Finance, and in Marketing	工商管理學士 (金融學及市場學)	4
BBA in Finance, and in Operations Management	工商管理學士 (金融學及營運管理學)	12
BBA in Finance, and in Professional Accounting	工商管理學士 (金融學及專業會計學)	8
BBA in Finance, and an additional Major in Mathematics	工商管理學士 (金融學) 及數學主修	1
BBA in Global Business, and in Economics	工商管理學士 (環球商業管理及經濟學)	11
BBA in Global Business, and in Finance	工商管理學士 (環球商業管理及金融學)	20
BBA in Global Business, and in Information Systems	工商管理學士 (環球商業管理及資訊系統學)	11
BBA in Global Business, and in Management	工商管理學士 (環球商業管理及管理學)	2
BBA in Global Business, and in Marketing	工商管理學士 (環球商業管理及市場學)	5

* *This program is jointly offered by Northwestern University and HKUST.*
此學位課程由美國西北大學與香港科技大學合辦。

SCHOOL OF BUSINESS AND MANAGEMENT 工商管理學院

BBA in Information Systems, and in Economics	工商管理學士 (資訊系統學及經濟學)	8
BBA in Information Systems, and in Finance	工商管理學士 (資訊系統學及金融學)	10
BBA in Information Systems, and in Management	工商管理學士 (資訊系統學及管理學)	10
BBA in Information Systems, and in Marketing	工商管理學士 (資訊系統學及市場學)	34
BBA in Information Systems, and in Operations Management	工商管理學士 (資訊系統學及營運管理學)	10
BBA in Information Systems, and in Professional Accounting	工商管理學士 (資訊系統學及專業會計學)	10
BBA in Management, and in Economics	工商管理學士 (管理學及經濟學)	4
BBA in Management, and in Information Systems	工商管理學士 (管理學及資訊系統學)	6
BBA in Management, and in Marketing	工商管理學士 (管理學及市場學)	16
BBA in Management, and in Operations Management	工商管理學士 (管理學及營運管理學)	1
BBA in Management, and in Professional Accounting	工商管理學士 (管理學及專業會計學)	1
BBA in Marketing, and in Economics	工商管理學士 (市場學及經濟學)	1
BBA in Marketing, and in Information Systems	工商管理學士 (市場學及資訊系統學)	19
BBA in Marketing, and in Management	工商管理學士 (市場學及管理學)	42
BBA in Marketing, and in Operations Management	工商管理學士 (市場學及營運管理學)	10
BBA in Marketing, and in Professional Accounting	工商管理學士 (市場學及專業會計學)	1
BBA in Operations Management, and in Economics	工商管理學士 (營運管理學及經濟學)	6
BBA in Operations Management, and in Finance	工商管理學士 (營運管理學及金融學)	3
BBA in Operations Management, and in Information Systems	工商管理學士 (營運管理學及資訊系統學)	20
BBA in Operations Management, and in Management	工商管理學士 (營運管理學及管理學)	11
BBA in Operations Management, and in Marketing	工商管理學士 (營運管理學及市場學)	19
BBA in Operations Management, and in Professional Accounting	工商管理學士 (營運管理學及專業會計學)	3
BBA in Professional Accounting, and in Economics	工商管理學士 (專業會計學及經濟學)	7
BBA in Professional Accounting, and in Finance	工商管理學士 (專業會計學及金融學)	12
BBA in Professional Accounting, and in Information Systems	工商管理學士 (專業會計學及資訊系統學)	40
BBA in Professional Accounting, and in Management	工商管理學士 (專業會計學及管理學)	33
BBA in Professional Accounting, and in Marketing	工商管理學士 (專業會計學及市場學)	19
BBA in Professional Accounting, and in Operations Management	工商管理學士 (專業會計學及營運管理學)	24
BBA in Professional Accounting, and an additional Major in Computer Science	工商管理學士 (專業會計學) 及計算機科學主修	1
BBA in Economics	工商管理學士 (經濟學)	21
BBA in Finance	工商管理學士 (金融學)	18
BBA in General Business Management ^	工商管理學士 (綜合商業管理學) ^	31
BBA in General Business Management #	工商管理學士 (綜合商業管理學) #	1
BBA in General Business Management	工商管理學士 (綜合商業管理學)	18
BBA in Global Business	工商管理學士 (環球商業管理)	8
BBA in Information Systems	工商管理學士 (資訊系統學)	21
BBA in Management	工商管理學士 (管理學)	30
BBA in Marketing	工商管理學士 (市場學)	33
BBA in Operations Management	工商管理學士 (營運管理學)	15
BBA in Professional Accounting	工商管理學士 (專業會計學)	38
BBA in World Business	工商管理學士 (全球商業管理)	36
School Total	**學院總人數**	**1854**

SCHOOL OF HUMANITIES AND SOCIAL SCIENCE 人文社會科學學院

PhD in Humanities	哲學博士 (人文學)	5
PhD in Social Science	哲學博士 (社會科學)	4
MPhil in Humanities	哲學碩士 (人文學)	3
MPhil in Social Science	哲學碩士 (社會科學)	8
MA in Chinese Culture	文學碩士 (中國文化)	30
MA in International Language Education	文學碩士 (國際語言教育)	80
MA in Social Science	文學碩士 (社會科學)	38
MSc in Global China Studies	理學碩士 (環球中國研究)	47
BSc in Quantitative Social Analysis, and in Computer Science	理學士 (定量社會數據分析及計算機科學)	1
BSc in Global China Studies: Humanities and Social Science, and an additional Major in Economics	理學士 (環球中國研究：人文及社會科學) 及經濟學主修	1
BSc in Global China Studies: Humanities and Social Science	理學士 (環球中國研究：人文及社會科學)	53
BSc in Quantitative Social Analysis	理學士 (定量社會數據分析)	28
School Total	**學院總人數**	**298**

INTERDISCIPLINARY PROGRAMS OFFICE 跨學科課程事務處

PhD in Environmental Science, Policy and Management	哲學博士 (環境科學、政策及管理)	5
PhD in Public Policy	哲學博士 (公共政策)	1
MPhil in Atmospheric Environmental Science	哲學碩士 (大氣環境科學)	7
MPhil in Environmental Science, Policy and Management	哲學碩士 (環境科學、政策及管理)	3
MPhil in Individualized Interdisciplinary Program (Application of Deep Learning for Smart Construction)	哲學碩士 (跨學科自選課程 – 深度學習在智慧建造的應用)	1
MPhil in Individualized Interdisciplinary Program (Environmental Engineering)	哲學碩士 (跨學科自選課程 – 環境工程)	1
MPhil in Individualized Interdisciplinary Program (Integrated Chemo-Sensing and Bio-Sensing Technology)	哲學碩士 (跨學科自選課程 – 集成化學傳感和生物傳感技術)	1
MPhil in Individualized Interdisciplinary Program (Internet of Things and Sensor Network)	哲學碩士 (跨學科自選課程 – 物聯網與傳感器網絡)	1
MPhil in Individualized Interdisciplinary Program (Robotics)	哲學碩士 (跨學科自選課程 – 機器人)	1
MPhil in Individualized Interdisciplinary Program (Robotics and Autonomous Systems)	哲學碩士 (跨學科自選課程 – 機器人技術與自動化系統)	2
MPhil in Public Policy	哲學碩士 (公共政策)	1
MPhil in Smart Manufacturing	哲學碩士 (智能製造)	1
Master of Public Policy	公共政策碩士	53
MSc in Environmental Science and Management	理學碩士 (環境科學及管理)	61
BSc in Risk Management and Business Intelligence, and in Computer Science	理學士 (風險管理及商業智能學及計算機科學)	1
BSc in Environmental Management and Technology	理學士 (環境管理及科技)	32
BSc in Risk Management and Business Intelligence	理學士 (風險管理及商業智能學)	46
Interdisciplinary Programs Office Total	**跨學科課程事務處總人數**	**218**

UNIVERSITY TOTAL 全大學合計 5366

^ *Graduates from the Dual Degree Program in Technology and Management earn two degrees, BEng and BBA.*
修畢科技及管理學雙學位課程之畢業生同時獲頒授工學士及工商管理學士學位。

Graduates from the Dual Degree Program in Technology and Management earn two degrees, BSc and BBA.
修畢科技及管理學雙學位課程之畢業生同時獲頒授理學士及工商管理學士學位。

Titles of PhD Theses Completed in 2020-21

Candidate, title of thesis, with thesis supervisor(s) in brackets

SCHOOL OF SCIENCE

Doctor of Philosophy in Chemistry

BAI, Fujin, Material Design and Device Fabrication for High-Performance Non-Fullerene Organic Photovoltaics, (YAN, He)

BENACHIGERE SHIVARUDRAIAH, Sunil, "Materials Chemistry and Device Design: Improving the Functionality of Perovskite Optoelectronic Devices", (HALPERT, Jonathan Eugene)

CHAI, Gaoda, Molecular Design and Synthesis of Non-fullerene Acceptors for the High-Performance Organic Solar Cells, (YAN, He)

CHEUNG, Tsz Shing, The Exploration of Long-lived Excited States of Pure Organic Materials, (TANG, Benzhong)

DE GRANO, Ruel Valerio Robles, Crystallization Studies Relating to some Natural Product Pharmaceuticals, (WILLIAMS, Ian Duncan)

FENG, Qiang, Selective Functionalization of Hetero-substituted Alkynes, (SUN, Jianwei)

GONG, Junyi, Beyond "Solvatochromism": Photophysics of Organic Photoluminescent Materials in Solution and Aggregates, (TANG, Benzhong)

GUO, Xueying, Theoretical Studies on Reactivity of Organoboron Compounds, Transition Metal Boryl Complexes, and Acyclic Silylene, (LIN, Zhenyang)

HE, Wei, Development of Functional AIE Materials for Bioimaging and Phototheranostics, (TANG, Benzhong)

HUANG, Jiachen, Small Molecular Hole-Transporting Materials for Efficient Inverted Perovskite Solar Cells, (YAN, He and GUO, Xugang (SUSTech))

KONOVALOV, Kirill, Mechanisms of Transcription: RNA Polymerase II Elongation Complex with DNA Modifications Studied with Molecular Dynamics Simulations, (HUANG, Xuhui)

LEE, Mei Suet, Exploration of Fluorescent Materials with Aggregation-Induced Emission Characteristics for Bacterial Imaging and Antibacterial Therapy, (TANG, Benzhong)

LI, Lijun, Versatile Microenvironment-controlled Microfluidic Platforms for Studying Cell Behaviors, (HUANG, Wei (SUSTech) and WU, Hongkai)

LI, Qiyao, Noncovalent Interactions-Mediated Aggregation-Induced Emission Systems: Design, Synthesis and Applications, (TANG, Benzhong)

LIANG, Lixin, Green Oxidation of Indoles and Collective Total Syntheses of Indole Alkaloids, (TONG, Rongbiao)

LIN, Xuyan, Microfluidic bioassays mediated by chip-integrated luminescence-based temperature and pH sensors, (NAGL, Stefan)

LIU, Chenchen, Development of Novel AIEgens Based on Benzothiadiazole for Biological Applications, (TANG, Benzhong)

LIU, Junkai, Mechanistic Study on Molecular Motions and Through-space Interactions in Organic Luminescent Aggregates, (TANG, Benzhong)

LIU, Xiaolin, Functional Polymers Synthesized by New Alkyne-Based Polymerizations, (TANG, Benzhong)

LU, Zhangdi, Water-Stable Perovskite Nanocrystals as Luminescent Temperature Probes in Microfluidic Systems, (NAGL, Stefan)

MAO, Jiatao, Ion solubility in high capacity electrolytes for redox flow battery, (CHEN, Qing)

QIU, Wenting, Integration of Optical Chemical Sensors into Digital Microfluidic Platforms for Cell-Based Assays, (NAGL, Stefan)

SOECIPTO, Aristyo, The Synthesis and Application of Spiro-Cations and Anions for Chiral Resolution, (WILLIAMS, Ian Duncan)

SUAREZ VASQUEZ, Michael Alexander, Deep Learning Methods to Find Potential Inhibitor Fragments for Proteins, (HUANG, Xuhui)

TANG, Chun Wai, The Chemistry of Redox Flow Batteries and Ruthenium Hydride Complexes, (JIA, Guocheng)

WANG, Dong, Point-of-care Pathogen Detection Based on Isothermal Amplification Methods, (WU, Hongkai)

WANG, Jiantao, Precursor Compositions, Interfacial Materials and Device Fabrication for Perovskite Solar Cells, (WU, Hongkai and WANG, Hsing-Lin (SUSTech))

WANG, Zhaoyu, Aggregation-Induced Emission: from Mechanisms to Applications, (TANG, Benzhong)

XU, Wenhan, High-performance Triphenylamine Core as a Building Block for Diverse Construction of AIEgens and Exploration of Biological Applications, (TANG, Benzhong)

YANG, Shida, Electrochemical Kinetics on Porous Electrodes, (CHEN, Qing)

YU, Han, Design and Synthesis of Electron Acceptor Materials for High-Performance Organic Solar Cells, (YAN, He)

YU, Ying, Constructing Red and Near-Infrared AIEgens for OLEDs and Bioimaging, (TANG, Benzhong)

ZHANG, Tianfu, Development of New Aggregation-Induced Emission Luminogens for Biomedical Applications, (TANG, Benzhong)

ZHAO, Xueqian, New Stimuli-Responsive Aggregation-Induced Emission Systems: Development, Mechanisms and Applications, (TANG, Benzhong)

ZHOU, Zhicong, Synthesis and Downconversion Applications for Metal-Metal Halides, (HALPERT, Jonathan Eugene)

ZHU, Hongni, Membrane Proteins Investigated by Surface-enhanced Raman Spectroscopy and Langmuir Techniques, (HUANG, Jinqing)

Doctor of Philosophy in Life Science

BAI, Guanhua, Structural and Biochemical Characterization of Scaffold Proteins in the Inhibitory Postsynaptic Density, (ZHANG, Mingjie)

CHEN, Sidong, Investigating Exocytosis and Dynamics of Synaptic Vesicles in a Mouse Model of Huntington's Disease, (PARK, Hyo Keun)

CHEN, Xianwei , Dusp27 Promotes Sarcomere Assembly During Both Muscle Development and Regeneration, (WU, Zhenguo)

CHEN, Yiyun, Tracing Noncoding and Single-Cell Level Transcription Markers of Patient Prognosis, (WANG, Jiguang)

CRNCEC, Adrijana, A New Chemical Genetics Toolbox to Analyse Genes Essential for the Mitotic Entry, (HOCHEGGER, Helfrid (University of Sussex) and POON, Randy Yat Choi)

DIN, Rahman Ud, Mechanistic and Structural Exploration of Protein Interactions and G-quadruplexes in DNA Replication, (ZHU, Guang and XUE, Hong)

DONG, Anqi, Deciphering Chromatin Accessibility Changes during Muscle Stem Cell Quiescence Exit and Lineage Progression, (CHEUNG, Tom)

KWAN, Kin Leung, Mass Spectrometry Based Multi-Omics Technology in Resolving Action Mechanism of Herbal Medicine, (LAM, Henry Hei Ning and TSIM, Karl Wah Keung)

LAU, Shun Fat, The Functional Roles of IL-33-Dependent Transcriptome Reprogramming in Microglial Clearance in Alzheimer's Disease, (IP, Nancy Yuk-Yu)

LI, Yunlong, Molecular Basis of Metal Hyperaccumulation in Oysters: Revealed by Transcriptomics and Proteomics, (WANG, Wenxiong and TSIM, Karl Wah Keung)

LIN, Kangning, Investigating the role of Rbfox2 during muscle regeneration, (CHEUNG, Tom)

OUYANG, Li, Investigation of Protective Roles of *IL1RL1* Genetic Variant in Endothelial Functions and Alzheimer's Disease, (IP, Nancy Yuk-Yu)

RENOM, Allan Patrick Stephane, Evaluation of the Potential Role of Ca^{2+} Signaling in Heart Looping in Zebrafish Embryos, and Development of a 3D Multi-Parameter Method to Quantify Heart Looping and Heart Volumes, (CHOW, King Lau)

SAINI, Vasu, Elevated Exosomal Nm23-H1 Subdues the Pro-migratory Potential of Breast Cancer Cell-derived Exosomes, (WONG, Yung Hou)

SHI, Xiao, Biochemical and Structural Studies of G-quadruplex Interacting with Cell Division Cycle 6 (Cdc6) and Epstein-Barr Nuclear Antigen 1 (EBNA1), (ZHU, Guang)

SUNG, Chun Chau, Phosphorylation of α-synuclein in Relation to the Pathogenesis and Treatment of Parkinson's Disease, (CHUNG, Kenny K)

TANG, Xiao, Molecular Mechanisms that Regulate the Sorting and Surface Delivery of the Planar Cell-polarity Protein Frizzled-6 and a Morphogen Sonic Hedgehog, (GUO, Yusong)

ULLAH, Ata, An Omics Study on $GABA_A$ Receptors in Neuropsychiatric Disorders, (ZHU, Guang and XUE, Hong)

WANG, Yang, Termination of Mitotic Arrest: A Study of Molecular Mechanisms of Mitotic Cell Death and Mitotic Slippage, (POON, Randy Yat Choi)

WANG, Ye, Role of IL-33/ST2 Signaling in Homeostatic Synaptic Plasticity in the Hippocampus, (IP, Nancy Yuk-Yu)

WU, Xiandeng, Presynaptic Active Zone Organization via Liquid-liquid Phase Separation, (ZHANG, Mingjie)

YANG, Feng, Investigating Molecular Mechanisms Regulating Localization of Arf Family Proteins and Secretion of Insulin Like Growth Factor II, (GUO, Yusong)

YANG, Gege, Studies on Remodeling and Sorting of Glycosylphosphatidylinositol-anchored Proteins in *Saccharomyces cerevisiae*, (BANFIELD, David Karl)

YANG, Shaozhong, Characterizing Interaction between Microtubule Organizer γTuRC and Its Stimulator CDK5RAP2, (QI, Robert Zhong)

YI, Ran, Investigating the Molecular Regulation of Skeletal Muscle Stem Cell Quiescence Exit, (CHEUNG, Tom)

ZENG, Lidan, NHR-49 and NHR-79 promote peroxisomal proliferation and function in response to ALH-4 deficiency in *C. elegans*, (MAK, Ho Yi)

ZENG, Wenshu, Molecular Regulation of Mouse Muscle Stem Cell Quiescence Exit and Aging, (CHEUNG, Tom)

ZHANG, Lina, Investigation of JNK Signaling Pathway in a *Drosophila* Tumor Model, (YAN, Yan)

ZHAO, Qirui, Novel Bead-based Single-molecule Pull-down for Cell Populations and Single Cells and Dye Uptake-based Drug Screening Targeting TRPV1, (HUANG, Pingbo)

ZHOU, Shaopu , Paxbp1 Controls a Key Checkpoint for Cell Growth and Survival during Early Activation of Quiescent Muscle Satellite Cell, (WU, Zhenguo)

ZHOU, Xuemeng, Characterizing the Regulation and Function of Endogenous Retroviruses in Mammalian Pluripotent Cells, (LEUNG, Danny Chi Yeu)

Doctor of Philosophy in Marine Environmental Science

LI, Chongping, DNA Damage Responses in the Dinoflagellate *Crypthecodinium cohnii*, (WONG, Joseph Tin Yum)

MABOLOC, Elizaldy Acebu, Plastic responses of the larval slipper limpet *Crepidula onyx* to future climate conditions, (CHOW, King Lau and CHAN, Kit Yu Karen)

SHEN, Zhiyong, A comparative genomic analysis of the ecological characters and evolutionary relationship between *Escherichia* coli and cryptic *Escherichia* clades, (LAU, Stanley Chun Kwan)

ZHOU, Kun, Phage–Bacteria Interplay in Deep-Sea Invertebrate Holobionts, (QIAN, Peiyuan and XU, Ying (SZU))

ZOU, Dayu, The Community, Distribution and Ecological Niche of Archaea in the Estuarine Ecosystems of China, (LIU, Hongbin and LI Meng (SZU))

Doctor of Philosophy in Mathematics

DENG, Yizhe, Dimension Reduction Methods for Financial Market Prediction, (YANG, Zhaojun (SUSTech) and WU, Lixin)

HU, Wei, Threshold dynamics: Analysis and Applications, (WANG, Xiaoping)

HUANG, Yifei, Generalization and Robustness in Deep Neural Networks, (YAO, Yuan)

JIANG, Tianpeng, Computation of Optical Eigenstates in Dielectric Systems, (XIANG, Yang)

LIU, Ping, Mathematical Theory of Computational Resolution Limit and Efficient Fast Algorithms for Super-resolution, (ZHANG, Hai)

LUAN, Yongzhi, Nilpotent orbits and Dynkin indices of Lie algebras, (HUANG, Jingsong)

RONG, Yi, Data Recovery on Manifold from Linear Samples, (WANG, Yang)

WANG, Jingming, Principal Components of Large Dimensional Spiked Covariance Matrices, (BAO, Zhigang)

YOU, Juntao, Efficient Recovery of Sparse Signal from Phaseless Measurements, (CAI, Jianfeng and LI, Jingzhi (SUSTech))

ZHU, Weizhi, Robustness and Generalization in Neural Networks, (YAO, Yuan)

Doctor of Philosophy in Nano Science and Technology

LU, Huanhuan, *In Situ* TEM Study of Friction and Wear Mechanisms for Single-Asperity Metallic Contacts, (WANG, Ning and SHAN, Zhiwei (XJTU))

QU, Qing, Expediting Hydrogen Evolution Reaction via Topological Quantum Materials of Bi_2Te_3 and SnTe Thin Films and a Pd/SnTe Heterostructure, (SOU, Iam Keong)

SHI, Run, Controllable Growth, Phase Modulation, and Applications of Low-Dimensional Vanadium Dioxide Crystals, (WANG, Ning and CHENG, Chun (SUSTech))

YING, Zhehan, In-Situ Transmission Electron Microscopy Study of Thermal Stability and Structural Transformation of Metal Nanocatalysts, (WANG, Ning)

Doctor of Philosophy in Physics

AU-YEUNG, Ka Yan, APPLICATIONS OF MULTIPLE RESONATORS FOR NOISE REDUCTION AND MECHANICAL VIBRATION DAMPING, (YANG, Zhi Yu)

CHANG, Mingli, TOPOLOGICALLY CHARGED NODAL POINTS AND SURFACES IN PHOTONIC SYSTEMS, (CHAN, Che Ting)

DENG, Xiaohui, NEW PERSPECTIVES FROM THE HYDRODYNAMIC MODES: FLUCTUATION-DISSIPATION THEOREM, HYDRODYNAMIC BOUNDARY CONDITION, AND NONLOCAL CORRELATIONS IN THERMAL FLUCTUATIONS, (SHENG, Ping and WANG, Xiaoping)

FAN, Xinyu, Computational Study of Phase Selectivity in Supercooled Metallic Liquids, (ALTMAN, Michael Scott and HUANG, Li (SUSTech))

GAO, Yifan, First-principles Investigations of Low Dimensional Materials as Condensed Matter Quantum Simulators, (LIN, Nian and HUANG, Li (SUSTech))

HAJIYEV, Elnur, Laser System for Addressing the $^1S_0 \rightarrow {}^3P_0$ Clock Transition in Yb Atoms, (JO, Gyu Boong)

HE, Chengdong, Quantum Simulation of Synthetic Fermionic Matter with SU(N) Symmetry or Non-trivial Topology, (JO, Gyu Boong)

HUANG, Linhai, Phase noise reduction of self-sustained oscillations in microelectromechanical systems, (CHAN, Ho Bun)

JIANG, Tianshu, Topological Transmission Line Networks, (CHAN, Che Ting)

STOLTE, Nore, Ab Initio and Classical Molecular Dynamics Studies of Carbon and Water at Extreme Conditions, (PAN, Ding)

TIAN, Fang, Investigation of Mechanical Biology of Cells by Using Tension Sensors and Magnetic Tweezers, (PARK, Hyo Keun)

XIE, Yingming, THE STUDY OF QUANTUM MATERIALS WITH THE INTERPLAY OF SPIN-ORBIT COUPLING, TOPOLOGY AND SUPERCONDUCTIVITY, (LAW, Kam Tuen)

ZHANG, Xiaonan, HYBRID RESONANCE AND COMPLEMENTARY BOUNDARY CONDITIONS FOR ELECTROMAGNETIC AND ACOUSTIC METAMATERIALS, (SHENG, Ping)

ZUO, Ying, All-Optical Neural Networks with Nonlinear Activation Functions, (ZENG, Bei and DU, Shengwang)

SCHOOL OF ENGINEERING

Doctor of Philosophy in Bioengineering

HAO, Chunlin, Using Spectrum Clustering Algorithm to Analyze Metaproteomic MS/MS Data of Mouse Gut Microbiome (LAM, Henry Hei Ning)

PARK, Byung Min, Engineering a Chlorophyll-Binding Protein for Deep-Tissue Bioimaging and New Materials, (SUN, Fei)

WANG, Yuqing, Developing a Comprehensive System for The Mechanism Study of RNA Polymerase in Transcription, (HUANG, Xuhui and CHEUNG, Pak Hang Peter (The Chinese University of Hong Kong))

XU, Xinzhou, A Novel Mechanism of Enhanced Transcription Activity and Fidelity for Influenza A Viral RNA-dependent RNA Polymerase, (HUANG, Xuhui and CHEUNG, Pak Hang Peter (The Chinese University of Hong Kong))

Doctor of Philosophy in Chemical and Biomolecular Engineering

CHEN, Ruipeng, Self-assembly and Crystallization of Biomacromolecules: DNA Origami in a Modular Design Framework and Continuous Protein Crystallization in Slug Flow, (LAKERVELD, Richard)

DY, Trixie Ruth Nunez, Pulsed Electric Field (PEF) Applications in Tap Water Disinfection and Electrochemical Nitrate Reduction, (YEUNG, King Lun)

GU, Qiao, Superstrong Ultrahigh Molecular Weight Polyethylene Membrane with Tunable Pore Structure for Separation Processes — Seawater Desalination and Air Purification, (GAO, Ping)

KHAN, Kishwar, Insights of Single-Atom Catalysts on Nanocarbon Support for Energy Conversion, (LUO, Zhengtang and AMINE, Khalil)

LIU, Jianhui, Bioinspired Materials from the Hybrid of Polymers and Self-assembling Peptides, (CHAU, Ying)

LIU, Zhenjing, Controlled Synthesis of Two-dimensional Layered Metal Chalcogenides for Energy Application, (LUO, Zhengtang)

MATHEW THOMAS, Kiran, Process Intensification of Protein Crystallization through Innovative Process Equipment and Operation, (LAKERVELD, Richard)

MONTEALEGRE, Charlimagne Monzon, Bacteriophages for Malodor Control and as a Surrogate for Virus Inactivation in Environmental Samples, (YEUNG, King Lun and HAN, Wei)

THITISOMBOON, Wadeelada, The Study of Nanoconfinement of PEO-PPO-PEO Triblock Copolymer in Nanoporous Ultrahigh Molecular Weight Polyethylene Membrane and their Interactions, (GAO, Ping)

WONGSRISUJARIT, Natee, One-Dimensional Photoactive Nanostructure Titania for Environmental Pollution Treatment and Clean Energy Production, (YEUNG, King Lun)

WU, Hsi-wen, Performance Optimization of Electrocatalysts and Membrane Electrode Assembly for Proton Exchange Membrane Fuel Cells, (SHAO, Minhua)

XIAO, Fei, Advanced Electrocatalysts for Proton Exchange Membrane Fuel Cells, (SHAO, Minhua)

YANG, Yun, Method Development and Applications of Low-input Proteomics, (LAM, Henry Hei Ning and TIAN, Ruijun (Southern University of Science and Technology))

YAO, Yuze, Optimization of solid electrolytes for all-solid-state lithium batteries, (SHAO, Minhua)

Doctor of Philosophy in Civil Engineering

AHMED, Rana Rab Nawaz, Towards the Effective Reverse Logistics Management of Construction Waste Material, (ZHANG, Xueqing)

BADSHA, Mohammad Abu Hashnat, Design and Application of Hydrogel-based Composite Materials for Cationic and Anionic Metal Removal from Electroplating Wastewater, (LO, Irene Man Chi)

BAGHBANREZVAN, Sina, Casing-sediment interaction during gas hydrate dissociation: Constitutive and Centrifuge modelling, (NG, Charles Wang Wai)

CHANG, Lu, Lead contamination and transportation in drinking water supply system in high-rise buildings, (GHIDAOUI, Mohamed Salah Ben Habib and LEE, Joseph Hun-wei)

DAI, Lun, East Asian Monsoon - Redefine Annual Cycle and Project Its Hydrometeorological Future, (LU, Mengqian)

DENG, Yangfan, Coupling of Sulfur-based Denitrification and Anammox for Nitrogen Removal, (CHEN, Guanghao and WU, Di)

FARDAD AMINI, Pedram, Effect of Fabric Anisotropy on Reliquefaction Resistance of Toyoura Sand based on Torsional Shear Experiments, (WANG, Gang)

FARIVAR, Alireza, Centrifuge Modelling of Elevated Floating Energy Pile Groups in Clay Subjected to Cyclic Non-symmetrical Thermal Loading, (NG, Charles Wang Wai)

FENG, Kewei, Material Point Method for Large Deformation Analyses of Coseismic Landslides, (WANG, Gang)

GOMAA, Sherif Mohsen Mohamed Hassan, Three-dimensional Centrifuge modelling of Non-symmetric Thermally Loaded Energy Piled-raft in Clay, (NG, Charles Wang Wai)

GUO, Haowen, Long-term field monitoring of a novel bioengineered three-layer landfill cover system using recycled concrete under humid climates, (NG, Charles Wang Wai)

GUO, Jiuhao, AI-based Daily Algal Bloom Risk Forecast and Automatic Species Identification System, (LO, Irene Man Chi and LEE, Joseph Hun-wei)

HE, Juhua, Photocatalytic Disinfection of Bacteria: From Magnetically Recyclable TiO_2-based Photocatalysts to Challenges of Water Characteristics and Different Bacterial Responses, (LO, Irene Man Chi)

HUANG, Hao, Development of a Sulfidogenic Oxic-Settling Anaerobic Process for Wastewater Treatment with In-Situ Sludge Reduction, (CHEN, Guanghao and WU, Di)

JIN, Nan, Subspace Identification of Bridge Frequencies Utilizing Dynamic Response of Traversing Vehicles, (DIMITRAKOPOULOS, Ilias)

KWOK, Helen Hoi Ling, Multi-zone IAQ Assessment, Monitoring and Control in Buildings Leveraging BIM Technology, (CHENG, Jack Chin Pang)

LEE, Enoch, Flexible Bus Service Design under Spatial and Temporal Demand Uncertainty, (LO, Hong Kam)

LI, Xiling, Biochar Production from Flocculent and Granular Sludge: Revealing the Roles of Inorganics Originated from Seawater, (CHEN, Guanghao and HAO, Tianwei)

LUO, Han, Automated Construction Machine Pose Monitoring Using Computer Vision and Deep Learning for Construction Site Safety, (CHENG, Jack Chin Pang)

MAJEED, Usman, Overflow and Landing Mechanisms of Debris Flow Impacting Dual Rigid Barriers, (NG, Charles Wang Wai)

MAO, Xin, Expert knowledge guided deep learning for bird watching and drainage network extraction, (WANG, Yu-Hsing)

PAN, Mengxin, ATMOSPHERIC RIVER: A BRIDGE FROM ATMOSPHERIC DYNAMICS AND CLIMATE VARIABILITY TO HYDROLOGICAL EXTREMES, (LU, Mengqian)

PATWARY, Ashraf Uz Zaman, Metamodeling and Optimization of Large-scale Multimodal Transportation Models, (LO, Hong Kam)

QIANG, Yejia, EVALUATING STORM-RELATED HAZARDS UNDER EXTREME WEATHER CONDITIONS IN GUANGDONG-HONG KONG-MACAO GREATER BAY AREA, (ZHANG, Li Min)

QIN, Xiaoran, Enhancing the Efficiency of Ride-sourcing Markets, (YANG, Hai)

SO, Pui San, Soil Conditioners for Growth of *Pinellia ternata*: Nutrient, Cd-hyperaccumulator and Biopolymer, (NG, Charles Wang Wai)

STOURA, Charikleia, Analytical and Numerical Examination of the Vehicle-Bridge Interaction Problem in Railway Bridges, (DIMITRAKOPOULOS, Ilias)

SU, Zhaoyu, ADVANCED DEEP CONVOLUTIONAL NEURAL NETWORK IN CIVIL ENGINEERING: THEORY AND APPLICATIONS, (WANG, Yu-Hsing)

WANG, Chao, Effects of barrier stiffness on the impact mechanisms of debris flow with different particle sizes: centrifuge and numerical modelling, (NG, Charles Wang Wai)

WANG, Jinting, ELIMINATION OF MERCURY METHYLATION IN ELEMENTAL SULFUR-REDUCING BACTERIA-ENRICHED SLUDGE: DISCOVERY, MECHANISM STUDY, AND POTENTIAL APPLICATION, (CHEN, Guanghao)

WANG, Meilan, Hybrid Unsupervised Learning to Post-processing CMAQ Simulations, (LAU, Alexis Kai Hon)

WANG, Shuling, A General Framework for Combining Traffic Flow Modelling and Bayesian Network for Traffic Parameters Estimation Based on Probe Vehicle Trajectory Data, (LO, Hong Kam)

WANG, Yixiang, Experimental and Numerical Study of Bidisperse Inertial Particles Settling in Turbulence, (TSE, Kam Tim and LAM, Kit Ming)

YIN, Kesheng, PERFORMANCE EVALUATION OF LARGE-SCALE NON-DREDGING LAND RECLAMATION ON SOFT MARINE CLAYS, (ZHANG, Li Min)

ZUBAIR, Muhammad Umer, Strategies to Enhance Performance of Elevators, (ZHANG, Xueqing)

Doctor of Philosophy in Computer Science and Engineering

BERMEJO FERNANDEZ, Carlos, Privacy and Privacy Enhancing Technologies for Post-GDPR Ubiquitous Computing, (HUI, Pan)

CHANG, Bing Yen, The Emotional Characteristics of Western Classical Solo Singing Voices with Different Pitch, Dynamics, and Vowel, (HORNER, Andrew Brian)

DAI, Hongliang, WEAK SUPERVISION FOR INFORMATION EXTRACTION, (SONG, Yangqiu)

HAO, Xiaotian, ADAPTIVE INFORMATION RETRIEVAL TECHNIQUES FOR THE APPLICATIONS ON TWEETS AND TROPICAL MOISTURE CASES, (NG, Wilfred Siu Hung)

HU, Guangneng, Deep and Adversarial Knowledge Transfer in Recommendation, (YANG, Qiang and CHEN, Lei)

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